FIG.1
BACKGROUND ART

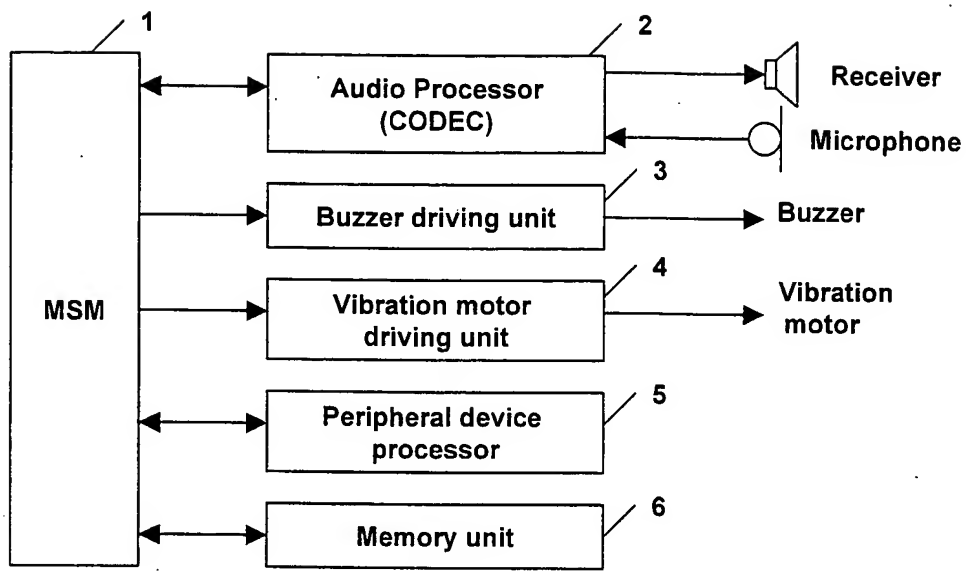


FIG.2
BACKGROUND ART

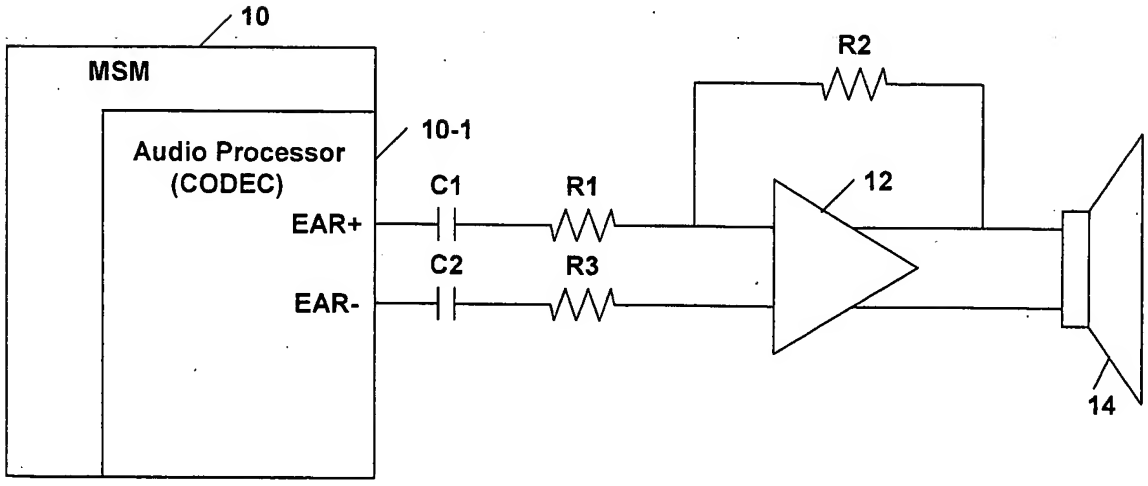


FIG.3

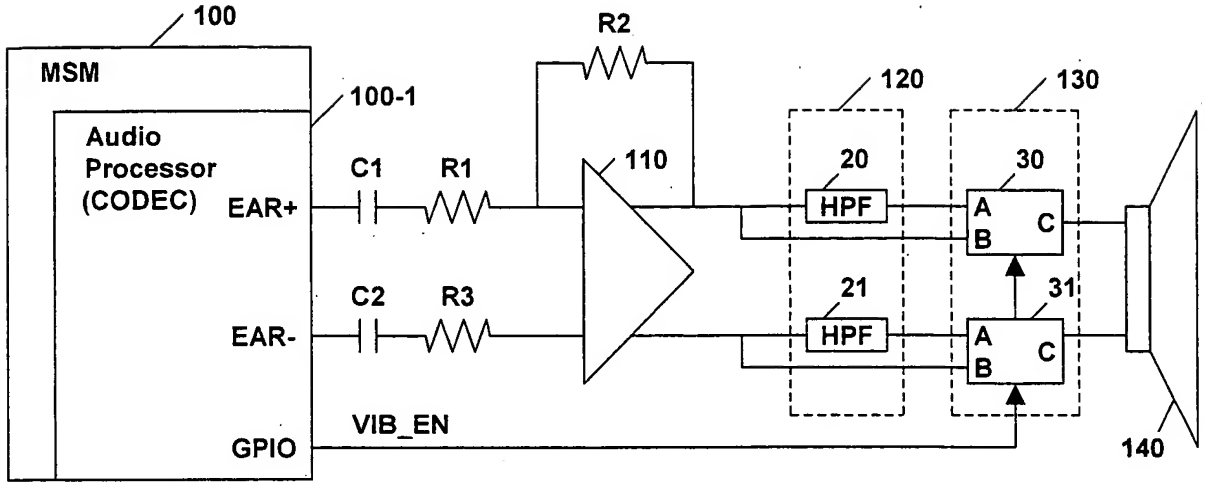
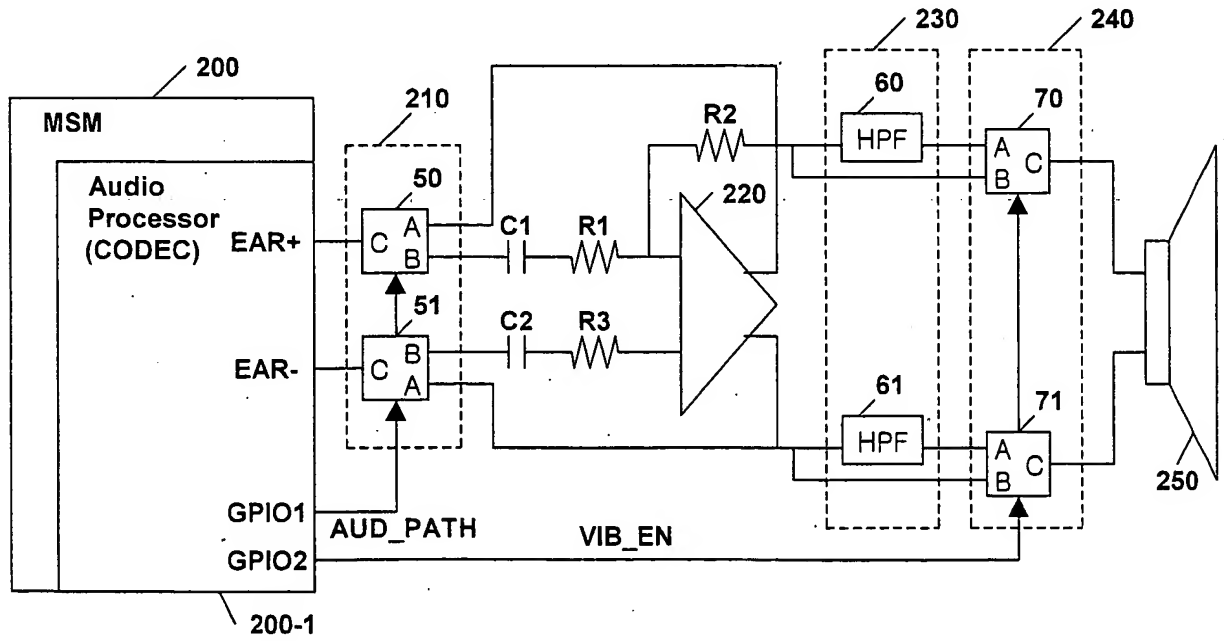

100
MSM
100-1
Audio Processor (CODEC)
EAR+
EAR-
GPIO
C1
R1
C2
R3
R2
110
120
130
20
21
30
31
HPF
HPF
A
B
C
VIB_EN
140

FIG.4


200
MSM
200-1
Audio Processor (CODEC)
EAR+
EAR-
GPIO1
GPIO2
AUD_PATH
VIB_EN
210
50
51
C1
R1
C2
R3
R2
220
230
240
60
61
70
71
HPF
HPF
A
B
C
250